

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/051105

A. CLASSIFICATION OF SUBJECT MATTER

INV. H01J9/395

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 048 241 A (TRAKSEL ET AL) 11 April 2000 (2000-04-11) cited in the application column 1 - column 6, line 12; figures 2, 3A-3C	1-9
Y	US 3 684 345 A (MANFRED SCHIEKEL ET AL) 15 August 1972 (1972-08-15) column 1 - column 2	1-9
A	US 3 551 725 A (WILLIAM L. BRUNDIGE) 29 December 1970 (1970-12-29) column 1 - column 2	1-5
A	US 2 415 895 A (LOPEZ FRANCISCO GONZALEZ) 18 February 1947 (1947-02-18) claim 1	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

28 June 2006

Date of mailing of the international search report

07/07/2006

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 534 742 A (GROSSMAN ET AL) 13 August 1985 (1985-08-13) column 2, line 61 - column 3, line 4 column 5, line 28 - line 37 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051105

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6048241	A	11-04-2000	NONE	
US 3684345	A	15-08-1972	DE 1937189 A1 FR 2055409 A5 GB 1319063 A JP 48019508 B	04-02-1971 07-05-1971 31-05-1973 14-06-1973
US 3551725	A	29-12-1970	NONE	
US 2415895	A	18-02-1947	NONE	
US 4534742	A	13-08-1985	CA 1245605 A1 DE 3500030 A1 FR 2557726 A1 GB 2153143 A	29-11-1988 18-07-1985 05-07-1985 14-08-1985